BR 259/24-9-15 SBR 19/28-5-15

AA No: 159/14-15 dt: 20-3-15
TS No: 263/14-15 dt: 25-3-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341310

Bill No I & Final

Jobcode: 014-15-eeee40
Pcode: 1771
Est cost: 29.6 Lakhs

Serial No. .....

Name of Work Improvements to roads and drains at 10th Cross Havanoor layout road connecting to diffce cutcherys in Bagalagunte, inward No: 14.

Name of Contractor or nature of Agency ... Technical Manager KRIDL Bangalore

Date of commencement of work E.E/DD/WO/363/14-15 Date: 31/3/2015

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1.	~~Excavation~~ Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed the disposed earth to be levelled neatly after breaking of clods complete as per Specifications.						
	Quantity premeasurt recorded vide PNo 341386/7 this M.B		@ 75.60/cum			124.20 cum	9390/
2.	Removing B.S slab of drain and stacking etc, complete as per specification.						
	Quantity premeasurt recorded vide PNo 341388 of this M.B		@ 58.32/Sqm			162.00 Sqm	9448/

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
3.	Providing and laying in position plain cement concrete of mix M 7.5 with OPC cement @ 180 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted in foundation & plinth, including cost of all materials, labour, curing. complete.					60.75cum	
	By measurement recorded vide PW 34389/2 of this M.B		@4847.04/cum				294458/-
4.	Providing and laying in PCC of mix M 1:2:4 with cement @ 240 Kgs with 20mm and down size graded granite metal coarse aggregate @ 0.878cum and fine aggregate @ 0.459cum, machine mixed concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth including cost of all materials, labour, Hire of machinery						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341311

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Curing Complete as per specifications. Quantity premeasurt recorded vide page No 341391 of this M.B		@ 5228.98/cum			25.88 cum —	135326/-
	5. Refixing stone slabs of drains and pointing in cm 1:3 etc., complete. as per Specifications. Quantity premeasurt recorded vide pNo-341388 of this M.B		Total Qty 263.79 sqm limited to @ 75.60/sqm			243.40 Sqms	18371/-
	6. Providing granite slabs selected quality roughly dressed and fixed in cm 1:6 including fixing curing etc complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity premeasurnt recorded vide PNO341388 of this MB		Missing slabs @ 639.56/Sqm			162.00 Sqm	103576/-
	7. Providing and Constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cm 1:4 masonry with Solid concrete blocks of size 40x20x20 cms Conforming to I.S 2185/1965 in Superstructure including cost of materials labour charges, curing complete as per specifications.						
	Quantity premeasurnt recorded vide PNO341382 of this MB		@ 993.60/Sqm			360.60 Sqm	357696/-
	8. Supplying and fixing precast reinforced concrete slab 10cm thick including cost of reinforcemt as per design and drawing material cost, Transportation, hire charges of machinery						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341312

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	machine cutting the vertical face to get plain even surface etc., complete as per specifications.						
	10th cross western side	1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	24.00	0.90		21.60	
	Eastern side	1	17.20	0.90		15.48	
		1	25.00	0.90		22.50	
		1	25.00	0.90		22.50	
		1	23.50	0.90		21.15	
		1	18.50	0.90		16.65	

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E.E. (D.D.)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	20.00	0.90		18.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	29.00	0.90		26.10	
	10th A Cross	1	28.00	0.75		21.00	
		1	25.00	0.75		18.75	
						419.73 Sqm	
			Limited to 405.00 Sqm				
			@ 1600.00/Sqm				648000/-

9. Cleaning the exciting black topped surface with brooms soft brushes and finally dusting with old gunny bags and compressed air to receive bituminous treatment including cost of all materials labour, complete as per specification.

E.E. (D.D.)

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341313

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity pre measurement recorded vide PNO 341392/2 of this M.B		@ 3.02/sqm			307.20 Sqm	928/-
10.	Providing laying, Spreading and Compacting graded stone aggregates to wet mix macadam Specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in Sub-base on well prepared surface, complete as per specifications. Quantity premt recorded vide PNO 341393 of this M.B		@ 1438.56/cum			23.04 cum	33144/-
11.	Providing and laying bitumenous macadam on prepared surface with						

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Crushed coarse aggregates as per design mix formula for base including loading of aggregates with F.E loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade rolling by power roller to achieve the desired density 50/75mm Compacted thickness with 3.3% bitumen with 30/120 grade bitumen using 40/60 TPH capacity HMP with Sensor Paver Grill Bitumen as per the directions of engineer in charge of the work. Quantity premeasured recorded vide p No 341394 of this M.B					3.84 cum	26716/-
			@ 6957.36/cum				
12.	Providing and applying primer coat with S.S Bitumen emulsion on Prepared surface of granular base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.6 kg/sqm using mechanical means complete as per specification.						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341314

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty premeasmt recorded vide PNO 93/2 of this M.B		@ 34.56/Sqm			64.00 Sqm	2212/-
13.	providing and applying tack coat on the prepared Surface at 2.5Kg/10Sqm, heating bitumen in boiler fitted with spray set including cost of all materials, labour, Hire of machinery Complete.					black topped	
	Qty premeasmt recorded vide PNO 94/2 of this M.B		@ 18.74/Sqm			243.20 Sqm	4558/-
14.	providing and laying bituminous Concrete with hot mix plant using crushed aggregates of specified grading pre mixed with bituminous						

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	binder and filler, transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment complete in all respects complete as per spec MoRT spec No 509, using 100/120TPH capacity HMP with sensor paver Gr-II with 6% VG Bitumen complete as per specifications.						
	10th cross	1	30.00	4.80	0.04	5.76	
		1	30.00	4.80	0.04	5.76	
		1	4.80	4.80	0.04	0.92	
						12.44 cum	
			limited to			12.29 cum	
			@ 11676.96/cum				143510/-
19.	Carriage of mixed materials above 15 Km beyond 10 Km to 15 Km lead complete as per spec.						
	Qty vide item no 14.					12.29 cum	
			@ 33.50/q				403/-

M. A. R. 57 (Rule 116)
Measurement Book

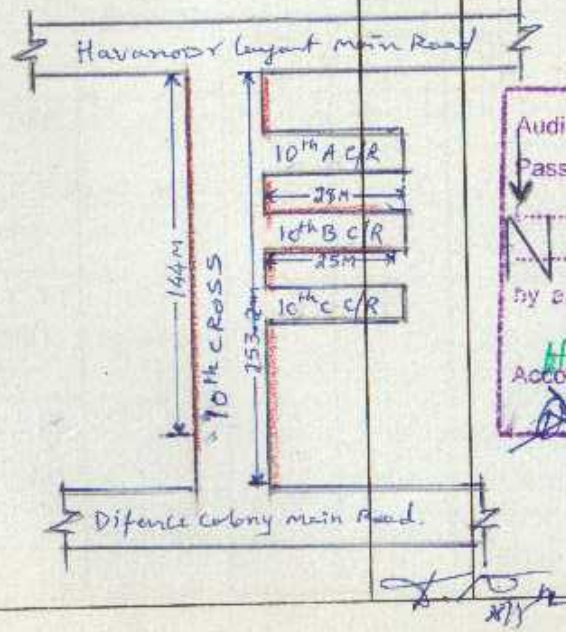
No. B 341315

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
16.	Disposal of debries to the final place of disposal with all lead and lift as directions by the engineer incharge. Qty vide item No ①		@ 78.24/cum			124.20 cum	9717/-
	Certificate :- 1) Certified that contractor has done work satisfactorily. 2) Contractor has removed debries from work spot. 3) There are no departmental issues.					KRIDL charges @ 179795=00	17,97,953/- 179795=00 1995727=00
	ಸಹಾಯಕ ಅಭಿಯಂತರರು ಬಿ ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಸಾರಾಯಿಪುರ ಬೆಂಗಳೂರು 560 073					28/5/15	19,77,748=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Audited and admitted for Rs. 1977748=00
Passed by Cheque for Rs. 1698889=00
by Engineer ... 278859=00
Accounts Superintendent
Exe. Engineer
K.S.B.M.P. Dasarahalli Division

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341386

Name of work: Providing approach to roads on ~~From~~ drains at 10th Cross ~~To~~ S.H. between Cement road connecting 10th cross colony in Byalakere ward No-14.

Nature of Agency: Executive engineer, KRIDL, Bangalore.

Commencement of work: EE/DD/no/363/14-15 Date: 31/3/15

Full description, etc, of work	Pre measurement Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
Work excavation by manual means in ordinary soil involving horizontal throw upto 2m and an average lift upto excavated surface levelled all sides neatly dressed, the disposed is be levelled neatly. complete as per specification.						
10th cross western side	1	30.00	0.45	0.40	5.40	
	1	30.00	0.45	0.50	6.75	
	1	30.00	0.45	0.50	6.75	
	1	30.00	0.45	0.45	6.08	
	1	24.00	0.45	0.40	4.32	
Eastren side	1	17.20	0.45	0.50	3.87	
	1	25.00	0.45	0.40	4.50	
	1	25.00	0.45	0.50	5.63	
	1	23.50	0.45	0.45	4.76	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	18.50	0.45	0.40	3.33	
		1	20.00	0.45	0.45	4.05	
		1	30.00	0.45	0.40	5.40	
		1	30.00	0.45	0.50	6.75	
		1	30.00	0.45	0.40	5.40	
		1	30.00	0.45	0.50	6.75	
		1	29.00	0.45	0.40	5.22	
	10th B Cross	1	28.00	0.45	0.40	5.04	
	CSPL	1	23.00	0.45	0.40	4.14	
	4/4/20	1	30.00	0.45	0.50	6.75	
		1	30.00	0.45	0.45	6.08	
		1	25.00	0.45	0.40	4.05	
		1	23.00	0.45	0.45	4.66	
		1	28.50	0.45	0.50	6.41	
		1	29.00	0.45	0.45	5.87	
		1	11.00	0.45	0.50	2.48	
						130.87	
						Limited to 124.20 cu.m	

4/4

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341387

Reference to last Measurement 8

..... From..... To.....

Name of Contractor of nature of Agency .....

Date of Commencement of work .....

Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
Providing B.S. stub of drain and stacking etc, complete.						
10th cross road						
western side	1	30.00	0.90		27.00	
	1	30.00	0.90		27.00	
	1	30.00	0.90		27.00	
	1	30.00	0.90		27.00	
	1	24.00	0.90		21.60	
Eastren side	1	17.20	0.90		15.48	
	1	25.00	0.90		22.50	
	1	25.00	0.90		22.50	
	1	23.50	0.90		21.15	
	1	18.50	0.90		16.65	
	1	20.00	0.90		15.00	
	1	30.00	0.90		27.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	29.00	0.90		26.10	
	10th B Cross	1	28.00	0.90		25.20	
		1	23.00	0.90		20.70	
						425.88	
	Deduct missing slab	1	17.40	0.90		15.66	
		1	15.70	0.90		14.13	
		1	15.00	0.90		13.50	
		1	14.50	0.90		13.05	
		1	15.20	0.90		13.68	
		1	18.70	0.90		16.83	
		1	11.00	0.45		4.95	
		1	13.00	0.90		11.70	
		1	9.40	0.90		8.46	

M. A. R. 57 (R
Measurement

..... From.....
Name of nature of Agency .....
Description of work .....

Full description, etc, of work	Dim	
	Number	Length
8	3	4
avge	1	10.40
	1	13.00
617 118	1	13.80
	1	18.00
		Limited

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341388

Reference to last Measurement 8

No. .....

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
Office @ 6/4/18	1	10.40	0.90		9.81	
	1	13.00	0.90		11.70	
	1	13.80	0.90		12.42	
	1	18.00	0.90		16.20	
					162.09	
				Total Qty	283.79 Sqm	
		Limited to 162.00 Sqm				
		A.	6/4			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
3.	Providing and laying in position PCC of mix M7.5 with OPC Cement @ 180 Kgs with 40mm down size graded granite metal Coarse aggregates @ 0.55 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 150mm Thick well compacted in foundation, including cost of all materials labour, Hire of machinery, curing complete.						
	10th Cross W/S	1	30.00	0.50	0.15	2.25	
		1	30.00	0.50	0.15	2.25	
		1	30.00	0.50	0.15	2.25	
		1	30.00	0.50	0.15	2.25	
		1	24.00	0.50	0.15	1.80	
	E/S	1	17.20	0.50	0.15	1.29	
		1	25.00	0.50	0.15	1.88	
		1	25.00	0.50	0.15	1.88	
		1	23.50	0.50	0.15	1.76	
		1	18.50	0.50	0.15	1.39	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341389

..... From..... To.....

Contractor of nature of Agency .....

Commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	1	20.00	0.50	0.15	1.50	
	1	30.00	0.50	0.15	2.25	
	1	30.00	0.50	0.15	2.25	
	1	30.00	0.50	0.15	2.25	
	1	30.00	0.50	0.15	2.25	
	1	29.00	0.50	0.15	2.18	
10th B Cross	1	28.00	0.50	0.15	2.10	
	1	23.00	0.50	0.15	1.73	
10th Cross w/s	2	30.00	0.20	0.15	1.80	
	2	30.00	0.20	0.15	1.80	
	2	30.00	0.20	0.15	1.80	
	2	30.00	0.20	0.15	1.80	
	2	24.00	0.20	0.15	1.44	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	E/S	2	17.20	0.20	0.15	1.03
		2	25.00	0.20	0.15	1.50
		2	25.00	0.20	0.15	1.50
		2	23.50	0.20	0.15	1.41
		2	18.50	0.20	0.15	1.11
		2	20.00	0.20	0.15	1.20
		2	30.00	0.20	0.15	1.80
		2	30.00	0.20	0.15	1.80
		2	30.00	0.20	0.15	1.80
		2	30.00	0.20	0.15	1.80
		2	29.00	0.20	0.15	1.74
		1	28.00	0.20	0.15	0.84
		1	23.00	0.20	0.15	0.69
						62.35 cu m
			limited to 60.75 cu m			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341390

Name .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
Providing and laying in position PCC of mix M 1:2:4 with cmt @ 240Kgs per Cum and down size graded granite metal coarse aggregates @ 0.87Cum and fine aggregates @ 0.459Cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation & plinth cost of all materials, curing complete as per specifications						
10th cross W/S	1	30.00	0.50	0.075	1.13	
	1	30.00	0.50	0.075	1.13	
	1	30.00	0.50	0.075	1.13	
	1	30.00	0.50	0.075	1.13	
	1	24.00	0.50	0.075	0.90	
E/S	1	17.20	0.50	0.075	0.65	
	1	25.00	0.50	0.075	0.94	
	1	25.00	0.50	0.075	0.94	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
		1	23.50	0.50	0.075	0.88
		1	15.50	0.50	0.075	0.69
		1	20.00	0.50	0.075	0.75
		1	30.00	0.50	0.075	1.13
		1	30.00	0.50	0.075	1.13
		1	30.00	0.50	0.075	1.13
		1	30.00	0.50	0.075	1.13
		1	29.00	0.50	0.075	1.09
	10th B cross	1	28.00	0.50	0.075	1.05
		1	23.00	0.50	0.075	0.86
	10th cross W/S	2	30.00	0.20	0.05	0.60
		2	30.00	0.20	0.05	0.60
		2	30.00	0.20	0.05	0.60
		2	30.00	0.20	0.05	0.60
		2	24.00	0.20	0.05	0.48
	E/S	2	17.20	0.20	0.05	0.34

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341391

No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	2	25.00	0.20	0.05	0.50	
	2	25.00	0.20	0.05	0.50	
	2	23.50	0.20	0.05	0.47	
	2	18.50	0.20	0.05	0.37	
	2	20.00	0.20	0.05	0.40	
	2	30.00	0.20	0.05	0.60	
	2	30.00	0.20	0.05	0.60	
	2	30.00	0.20	0.05	0.60	
	2	30.00	0.20	0.05	0.60	
	2	29.00	0.20	0.05	0.58	
	1	28.00	0.20	0.05	0.28	
	1	23.00	0.20	0.05	0.23	
					26.70 cum	

limited to 25.85 cum

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
7.	Providing and Constructing precast concrete solid blocks with Compressive strength not less than 35 kg/sqm with CM 1:4 masonry with solid concrete blocks of size 40x20x20cms conforming to I.S 2185/1965 in superstructure including cost of materials labour charges, curing complete.					
	10th cross w/s	2	30.00	0.40		24.00
		2	30.00	0.40		24.00
		2	30.00	0.40		24.00
		2	30.00	0.40		24.00
		2	24.00	0.40		19.20
		2	17.20	0.40		13.76
	E/S	2	25.00	0.40		20.00
		2	25.00	0.40		20.00
		2	23.50	0.40		18.80
		2	18.50	0.40		14.80
		2	20.00	0.40		16.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341392

Book No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	2	30.00	0.40		24.00	
	2	30.00	0.40		24.00	
	2	30.00	0.40		24.00	
	2	30.00	0.40		24.00	
	2	29.00	0.40		23.20	
10th B Cross	1	28.00	0.40		22.40	
	2	23.00	0.40		18.40	
					378.56 Sqm	
		limited to 360.00 Sqm				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
9.	Cleaning the Existing black tipped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air & receive bituminous treatment including cost of all material, complete					
	10th Cross	1	30.00	4.80		144.00
		1	30.00	4.80		144.00
		1	4.80	4.80		23.04
						311.04
			limited to	307.20		sq.m

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341393

Title .....

Work ..... From ..... To .....

Contractor of nature of Agency .....

Commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Providing laying spreading and compacting graded stone aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver on well prepared sub-base and compacting with vibratory roller to achive the desired density complete as per spec. 10th cross						
	1	30.00	1.20	0.30	10.80	
	1	30.00	1.20	0.30	10.80	
	1	4.80	1.20	0.30	1.73	
					23.33	
		Limited to 23.04/cm				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
12.	Providing and applying Primer coat with S.S Bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of ... using mechanical means complete as per specifications, Complete.					
	10th cross	1	30.00	1.00		30.00
		1	30.00	1.00		30.00
		1	4.80	1.00		4.80
						64.80
			Limited to 64.00 Sqm			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 341394

From ..... To .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Providing and laying bituminous macadam on prepared surface with crushed graded aggregates as per dense mix formula for base/binding course including loading of aggregates with F.E loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed materials in tipper to paver and laying mixed materials with paver finisher to the required level and grade rolling by power roller to achieve the desired density. 50/75mm compacted thickness, with 3.3% bitumen but excluding the cost of tack coat, as per MPW with 80/100 grade bitumen using 40/60 TPH capacity HMP with sensor paver finisher. Bitumen as per directions.						
10 thereon	1	30.00	1.20	0.05	1.80	
	1	30.00	1.20	0.05	1.80	
	1	4.80	1.20	0.05	0.29	
					3.89 cum	
					Limited to 3.84 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
13.	Providing and applying tack coat on the prepared black topped surface at 2.5 Kg/10 Sqm, heating bitumen in boiler fitted with spray set including cost of all materials complete as per spec.						
	10th Cross	1	30.00	3.80		114.00	
		1	30.10	3.80		114.00	
		1	4.80	3.80		18.24	
						246.24 Sqm	
			limited to 243.20 Sqm				
	Ofpe 2/8/15						
						20/5/2015	